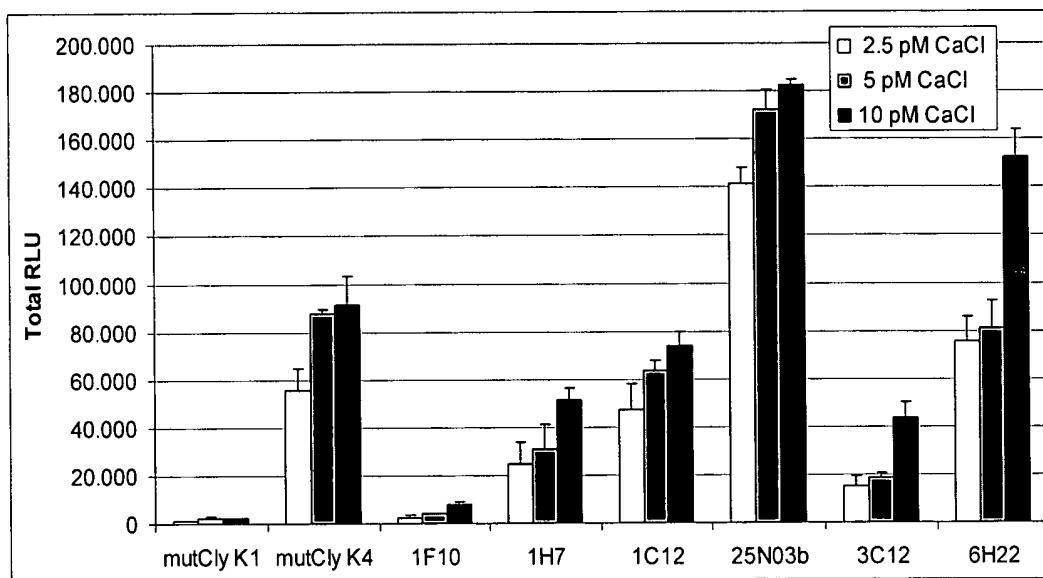


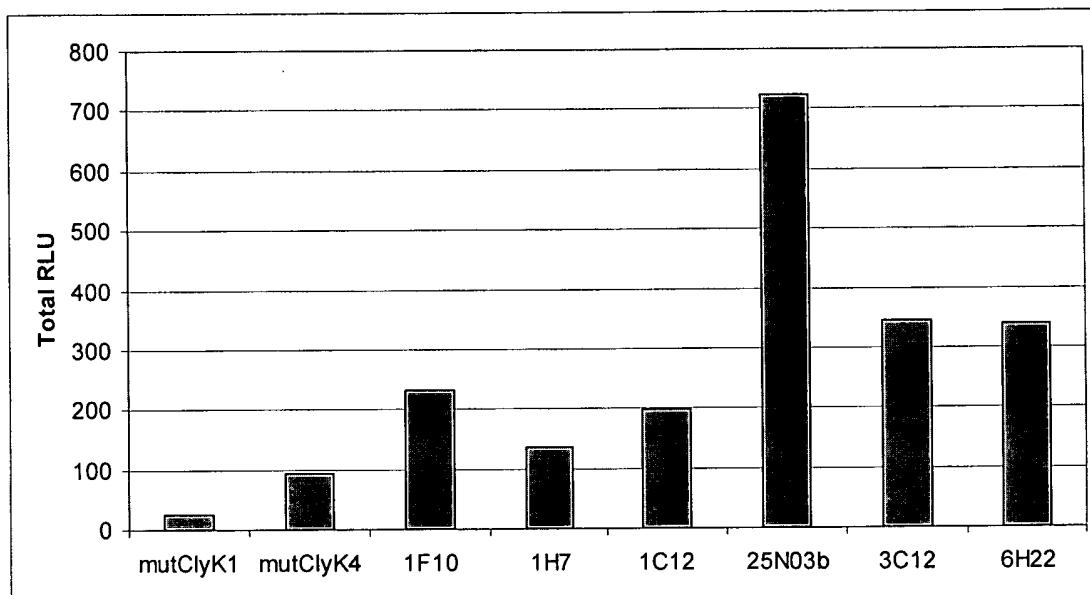
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FIG. 1



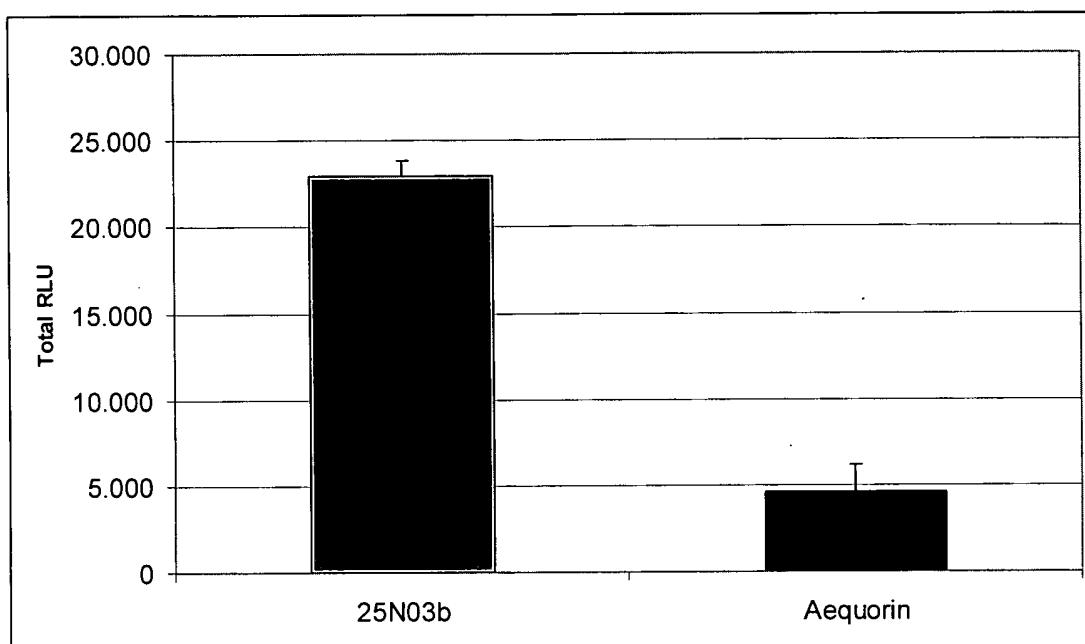
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**FIG. 2**



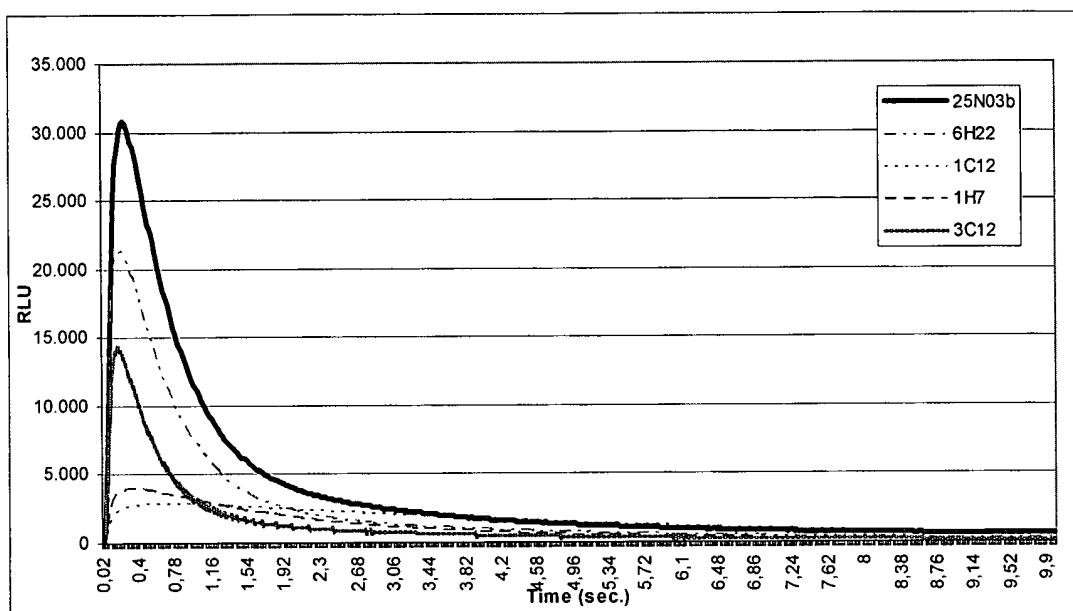
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**FIG. 3**



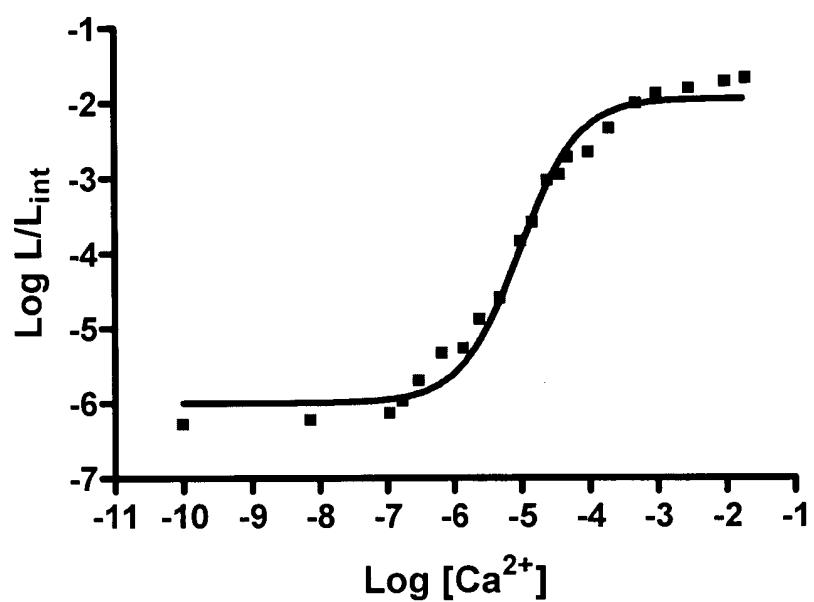
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**FIG. 4**



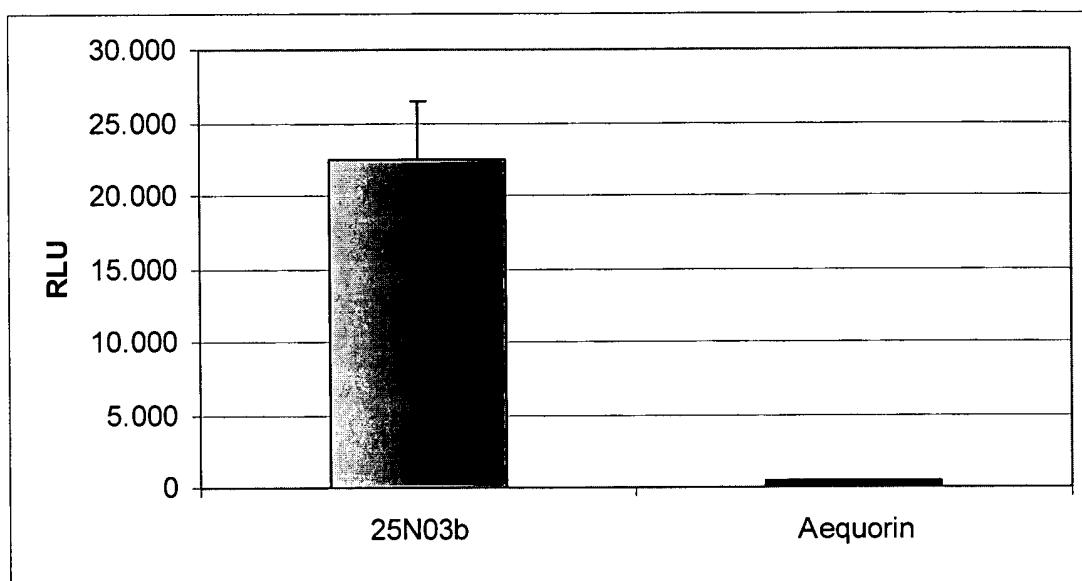
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FIG. 5



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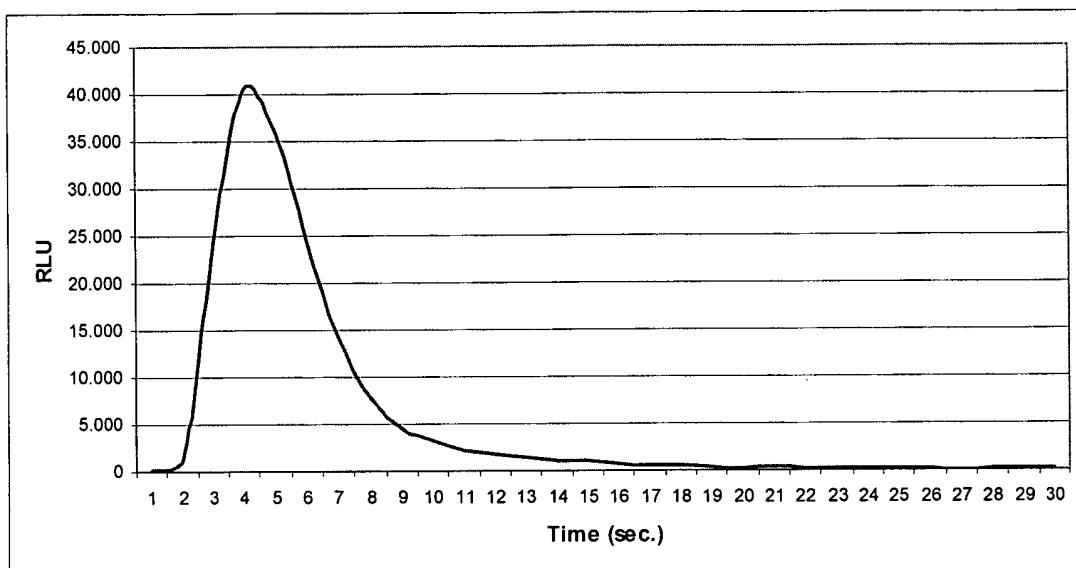
FIG. 6



Title: PHOTOPROTEINS WITH ENHANCED  
BIOLUMINESCENCE AND ASSAYS USING  
THE SAME  
Inventor: Nadia MASTROIANNI et al.  
Appln. No.: New Application  
Docket No.: 100506-00028

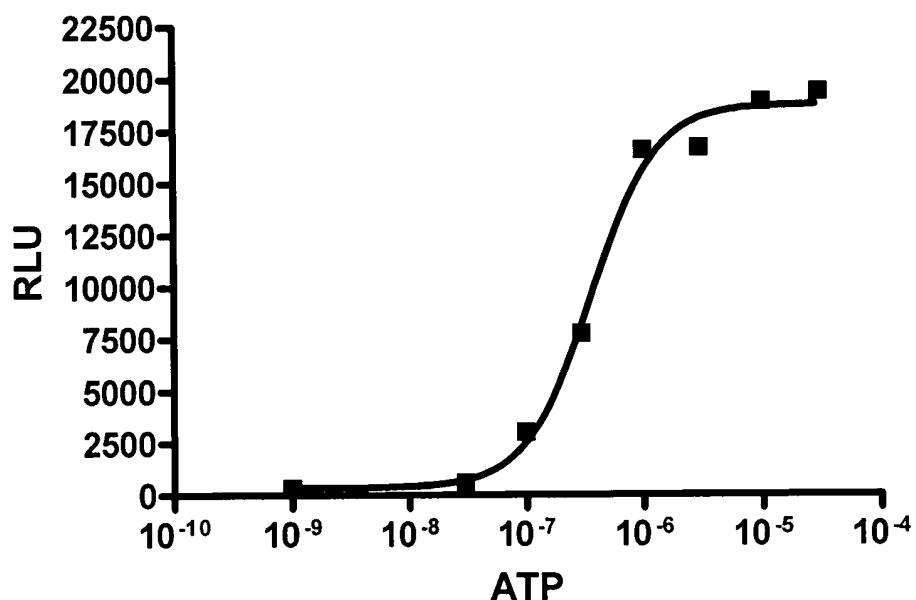
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FIG. 7



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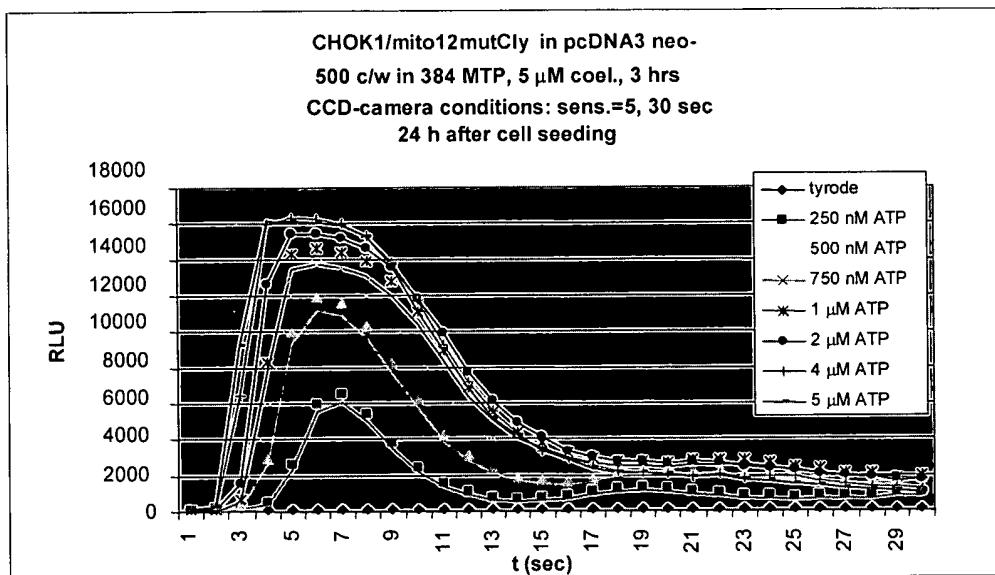
FIG. 8



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THE SAME  
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Appn. No.: New Application  
Docket No.: 100506-00028

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**FIG. 9**



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FIG. 10a

CHOK1/mito12mutCly in pcDNA3 neo-  
384 MTP - 24 h after seeding  
2,5  $\mu$ M coel., 2 hrs

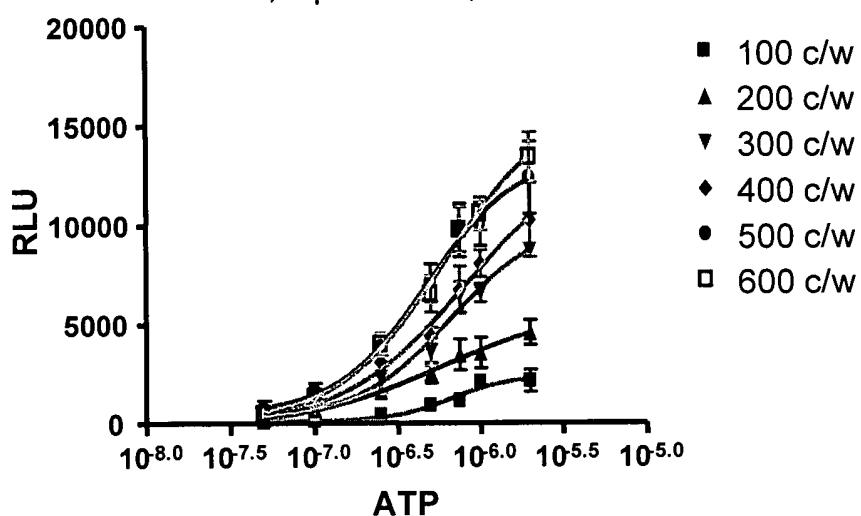
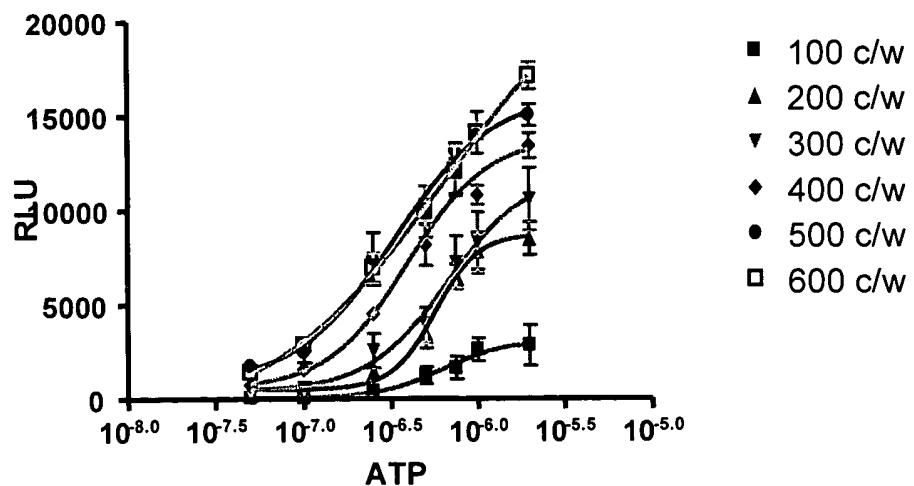


FIG. 10b

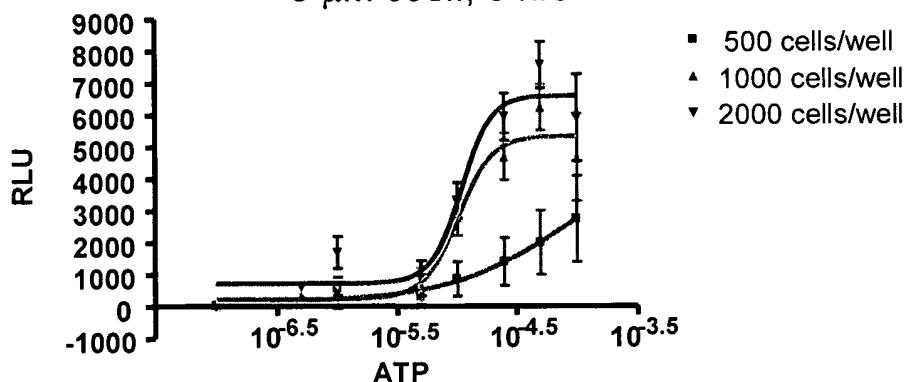
CHOK1/mito12mutCly in pcDNA3 neo-  
384 MTP - 24 h after seeding  
5  $\mu$ M coel., 3 hrs



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FIG. 11

CHOK1/cyto12mutCly in pcDNA3 neo-  
384 MTP - 24 h after seeding  
5  $\mu$ M coel., 3 hrs



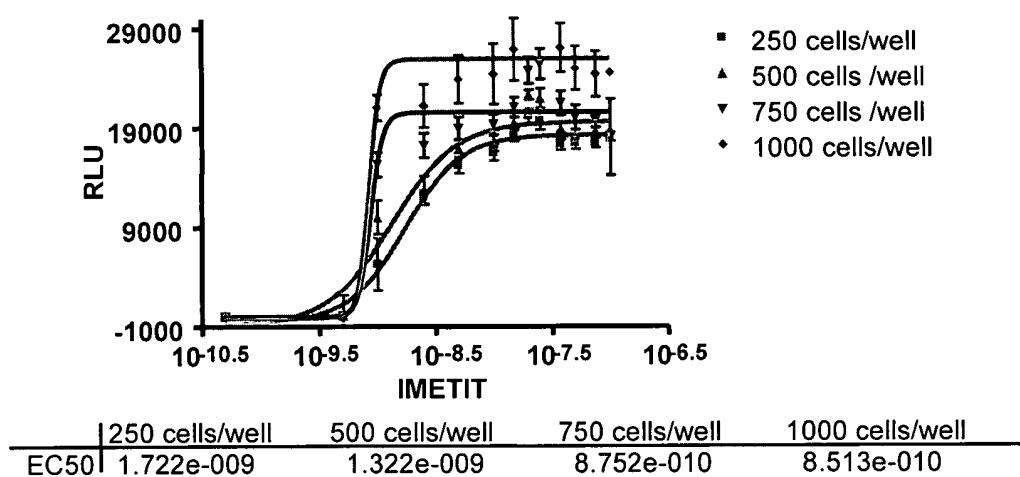
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	500 cells/well	1000 cells/well	2000 cells/well
EC50	9.182e-005	1.025e-005	1.096e-005

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FIG. 12

CHOK1/mito12mutCly/H3  
384 MTP - 24 h after seeding  
5  $\mu$ M coel., 3 h



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FIG. 13

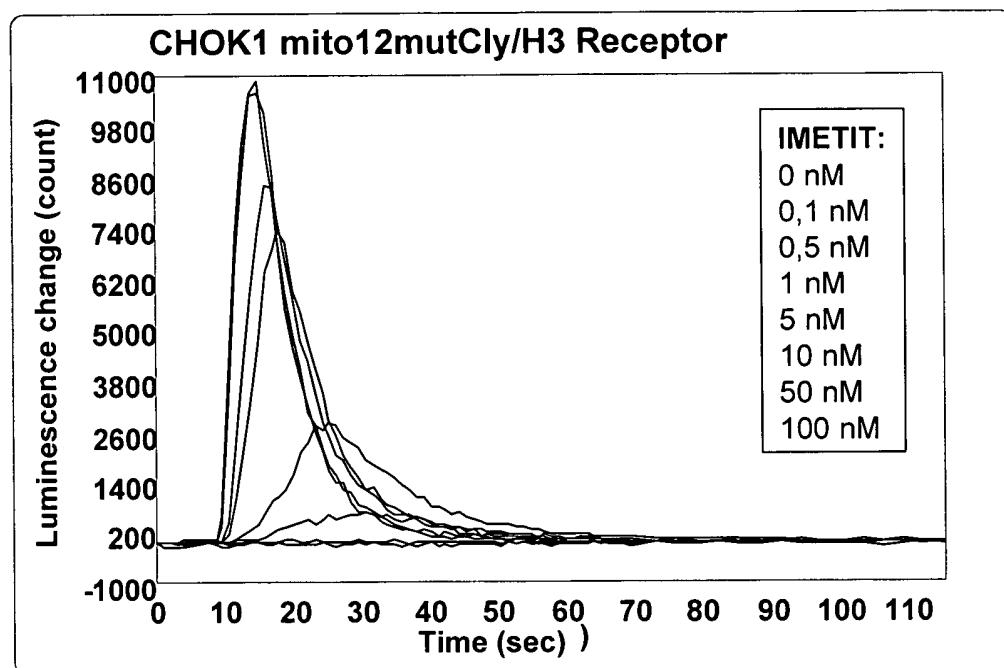
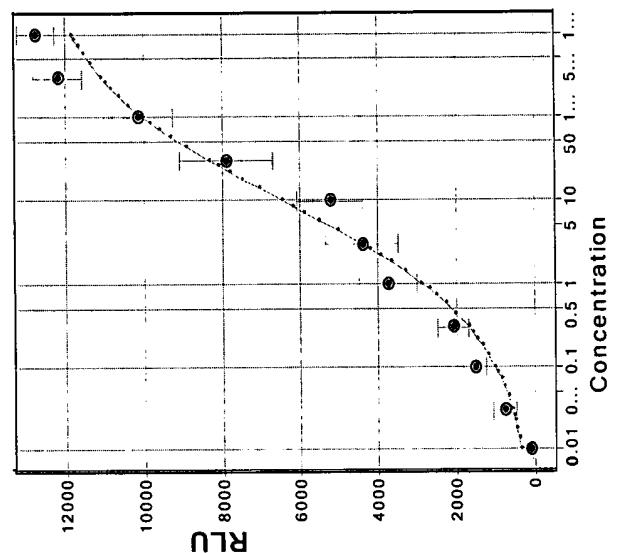
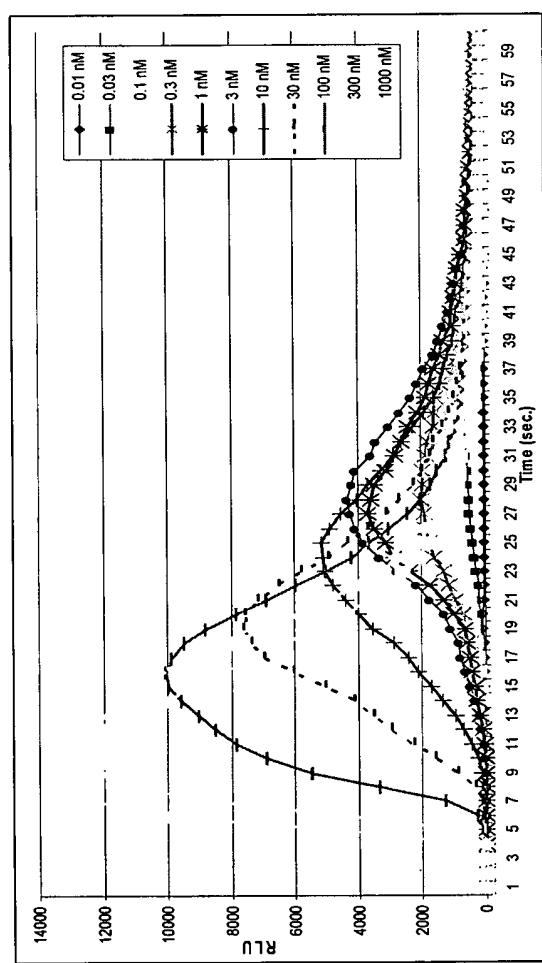


FIG. 14



EC<sub>50</sub> 9.73 nM

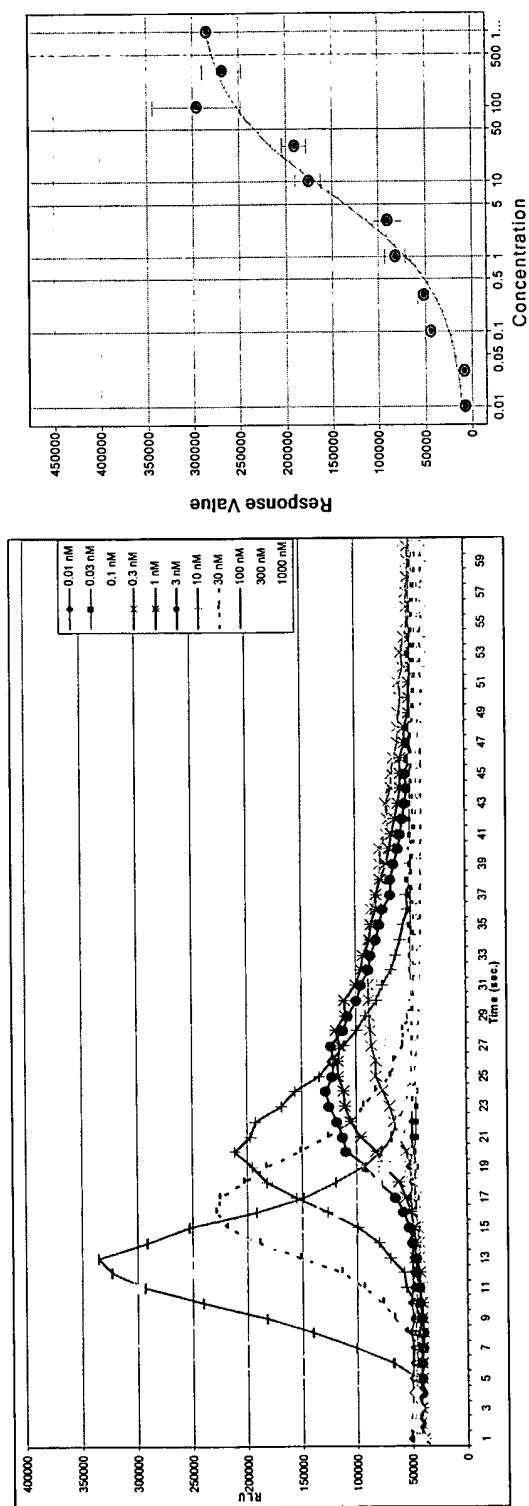


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Inventor: Nadia MASTROIANNI et al.  
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**FIG. 15**



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FIG. 16

